

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **SEMICONDUCTOR DEVICES HAVING REGIONS OF INDUCED HIGH AND LOW CONDUCTIVITY, AND METHODS OF MAKING THE SAME**, the specification of which was filed on September 24, 2003, as application Serial No. 10/671,303.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Lori Y. Beardell	(Reg. No. 34293)
Steven C. Benjamin	(Reg. No. 36087)
Linda D. Birch	(Reg. No. 38719)
Alanson G. Bowen, Jr.	(Reg. No. 24027)
Kenneth M. Brown	(Reg. No. 37590)
Mary Ann Capria	(Reg. No. 32659)
Lynne M. Christenbury	(Reg. No. 30971)
William J. Cotreau	(Reg. No. 36490)
Gerald E. Deitch	(Reg. No. 30457)
Sudhir Deshmukh	(Reg. No. 33677)
Donald P. Dinella	(Reg. No. 39961)
Kevin S. Dobson	(Reg. No. 40296)
Roseanne R. Duffy	(Reg. No. 33869)
Mark A. Edwards	(Reg. No. 39542)
Barry Estrin	(Reg. No. 26452)
Craig H. Evans	(Reg. No. 31825)
Tamera L. Fair	(Reg. No. 35867)
S. Neil Feltham	(Reg. No. 36506)
Martin I. Finston	(Reg. No. 31613)
Linda Axiemethy Floyd	(Reg. No. 33692)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Andrew G. Golian	(Reg. No. 25293)
Jimmy Goo	(Reg. No. 36528)
Thomas W. Gorman	(Reg. No. 31959)
David J. Gould	(Reg. No. 25338)
John E. Griffiths	(Reg. No. 32647)
Stephen M. Gurey	(Reg. No. 27336)
Jane O. Hamby	(Reg. No. 32872)
William H. Hamby	(Reg. No. 31521)
David E. Heiser	(Reg. No. 31366)
John S. Hendrickson	(Reg. No. 30847)
David W. Herring, Jr.	(Reg. No. P-51069)
Matthew J. Hodulik	(Reg. No. 36164)
Arne R. Jarnholm	(Reg. No. 30396)
J. Kenneth Joung	(Reg. No. 41881)
Konrad S. Kaeding	(Reg. No. 32035)
Elliott A. Katz	(Reg. No. 26396)
Mark D. Kuller	(Reg. No. 31925)
Irena Lager	(Reg. No. 39260)
John A. Langworthy	(Reg. No. 32255)

Bart E. Lerman	(Reg. No. 31897)
John B. MacIntyre	(Reg. No. 41170)
Thomas H. Magee	(Reg. No. 27355)
Christopher N. Malvone	(Reg. No. 34866)
Nancy S. Mayer	(Reg. No. 29190)
John F. McCabe	(Reg. No. 42854)
George M. Medwick	(Reg. No. 27456)
James Milton	(Reg. No. 46935)
Bruce W. Morrissey	(Reg. No. 30663)
Gregory J. Murgia	(Reg. No. 41209)
Eugene J. Rosenthal	(Reg. No. 36658)
Steven R. Santema	(Reg. No. 40156)
Lois A. Santopietro	(Reg. No. 36264)
David A. Sasso	(Reg. No. 43084)
Andrew L. Schaeffer	(Reg. No. 33605)
Bruce S. Schneider	(Reg. No. 27949)
Chyrrea J. Sebree	(Reg. No. 45348)
Lucas K. Shay	(Reg. No. 34724)
James E. Shipley	(Reg. No. 32003)
Barbara C. Siegell	(Reg. No. 30684)
Jessica M. Sinnott	(Reg. No. 34015)
Thomas W. Steinberg	(Reg. No. 37013)
Robert B. Stevenson	(Reg. No. 26039)
Frederick D. Strickland	(Reg. No. 39041)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Rebecca W. Tulloch	(Reg. No. 36297)
P. Michael Walker	(Reg. No. 32602)
Chen Wang	(Reg. No. 38650)

I hereby appoint the attorney(s) on ATTACHMENT A as attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of 1st joint inventor: Zhenan Bao

Inventor's
signature 


Date 1/21/04

Residence: Millburn, NJ

Citizenship: US

Post Office Address: 6 Clinton Place
Millburn, NJ 07041

Full name of 2nd joint inventor: Howard Edan Katz

Inventor's
signature 

Date 1/20/04

Residence: Summit, NJ

Citizenship: US

Post Office Address: 135 Butler Parkway
Summit, NJ 07901

Full name of 3rd joint inventor: Jeffrey Scott Meth

Inventor's
signature _____

Date _____

Residence: Landenberg, PA

Citizenship: US

Post Office Address: 106 Beacon Hill Road
Landenberg, PA 19350

I hereby appoint the attorney(s) on ATTACHMENT A as attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of 1st joint inventor: Zhenan Bao

Inventor's
signature _____

Date _____

Residence: Millburn, NJ

Citizenship: US

Post Office Address: 6 Clinton Place
Millburn, NJ 07041

Full name of 2nd joint inventor: Howard Edan Katz

Inventor's
signature _____

Date _____

Residence: Summit, NJ

Citizenship: US

Post Office Address: 135 Butler Parkway
Summit, NJ 07901

Full name of 3rd joint inventor: Jeffrey Scott Meth

Inventor's
signature Jeffrey Scott Meth

Date 1/30/04

Residence: Landenberg, PA

Citizenship: US

Post Office Address: 106 Beacon Hill Road
Landenberg, PA 19350

ATTACHMENT A

Attorney Name(s):	<u>Peter H. Priest</u>	Reg. No.:	<u>30,210</u>
	<u>Jay M. Brown</u>		<u>30,033</u>
	<u>Joseph B. Agusta</u>		<u>52,547</u>

Telephone calls should be made to Priest & Goldstein, PLLC at:

Phone No.: (919) 806-1600

Fax No.: (919) 806-1690

All written communications are to be addressed to:

Priest & Goldstein, PLLC
5015 Southpark Drive
Suite 230
Durham, NC 27713-7736